

# ORLANDO RODRIGUEZ

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[orlandorodriguez.xyz](http://orlandorodriguez.xyz)

## EDUCATION

**BS IN COMPUTER SCIENCE, DATA SCIENCE & MINOR IN SPANISH LANGUAGE**  
University of Arizona Honors College

2023  
Tucson, Arizona

## SKILLS

C	Java	Python	Bash/Shell Scripting	HTML
CSS/Bootstrap	JS/ReactJS	PHP	SQL	nginx
LaTeX	Markdown	VBox	Linux	HPC Clusters

## EXPERIENCE

### **SYMMETRY DETECTION AND CLASSIFICATION IN DRAWINGS OF GRAPHS**

Research Assistant  
University of Arizona

2020  
Tucson, Arizona

- Implemented Graph Neural Networks to classify common and abstract symmetries in graph drawings
- Deployed Neural Network models using programs written in collaboration with research team
- Utilized High-Performance Computing cluster to regularly conduct intensive Neural Network training and prediction experiments
- Applied Linux knowledge to create job scripts with PBS directives

### **UA CYBERCATS**

Member  
University of Arizona

2019-Present  
Tucson, Arizona

- Participated in hacking competitions and learned about Offensive Security
- Experienced with Kali Linux

### **CREATED LINUX DISTRIBUTION**

Creator of Orlix

2020

- Configured Arch Linux variant featured on [orlandorodriguez.xyz](http://orlandorodriguez.xyz)
- Designed to be lightweight with emphasis on high-speed development and deployment

### **WEB DESIGN**

Creator of [orlandorodriguez.xyz](http://orlandorodriguez.xyz)

2018-Present

- Manage both front/back-end with LEMP stack
- Feature current projects and link to Github
- Frequently publish articles about computer science, statistics, technology, and philosophy

## LEADERSHIP EXPERIENCE

### **WILDCAT ÉPÉE FENCING CLUB**

Secretary  
University of Arizona

2019-Present  
Tucson, Arizona

- Represent the university by traveling across the country to tournaments
- Regularly compile team statistics, track attendance, and handle logistics
- Negotiate with university officials and campus recreation to approve events
- Interact daily with members to create a fun team environment
- Manage the team website at [uawildcatfencing.com](http://uawildcatfencing.com)

## AWARDS AND HONORS

**NATIONAL MERIT HISPANIC SCHOLAR 2019**

2019